ODIS Science Data Support Team (SDST) Meeting Minutes 03/27/92

TENDEES: Lloyd Carpenter   RDC   982-3708
        Larry Fishtahler   CSC   464-3385
        Al Fleig   900   286-7747
        Harold Geller   MCST/RDC   982-3740
        Tom Goff   RDC   982-3704
        Liam Gumley   RDC   982-3748
        Janine Harrison   920   286-5324
        Ed Masuoka   920   286-7608
        Jim Ormsby   974   286-6811
        Shahin Samadi   920.2/RMS   286-8510
        Will Webster   920.2   286-4506

XT MEETING: Date   Time   Building   Room
        Friday, April 03   10:00 am   22   G95

PICS:

SOFTWARE ENGINEERING TOOLS IN CODE 500: Lloyd Carpenter reported
he had invited Frank McGarry, Head, Systems Development Branch,
de 552, to speak to the MODIS SDST at one of the regular meetings on the software tools used in Code 500. Frank agreed to come, b

el schedule makes it necessary to delay until after the MODIS
ence Team Meeting.

MODIS AIRBORNE SIMULATOR (MAS): Liam Gumley presented a status
ort on MAS processing and software development. A complete set of
cessing code was ported from the Iris to the VAX, recompiled,
ed and used to process two flight tracks from November 18, 1991.
m identified several algorithms from the MODIS atmospheres group
ich are potential candidates for use with MAS data. Most of these
still under development and depend on the availability of
ropriate spectral channels. Some also require ancillary data (e.g. temperature profiles, radiative transfer computation results etc.

m agreed to check on the use of the Revision Control System (RCS)
prototype configuration management system.

VISIT TO INTERGRAPH CORPORATION: Tom Goff and Jim Ormsby reported on a visit during the past week to the Intergraph Feder
tems
rision in Virginia. They were given a demonstration on one of their display work stations. The 27", 1660x1280 32bit color system was
ressive. The system has some good features, including an
ractive ground registration capability, but the price is high
00,000), and the selection of software tools is incomplete.

MODIS SDST DELIVERABLES: Lloyd Carpenter presented a strawman list of MODIS SDST deliverables. There were sever
gestions for

itions, expansions, and corrections.

CODING GUIDELINES FOR MODIS TEAM MEMBERS' SCIENCE ALGORITHMS:
yd Carpenter presented a restructured version of the coding
delines for MODIS Team Members' algorithms. All problems
ountered in porting the cloud optical program have been addressed. Several minor changes were suggested.

RICH BREDESON LEAVING NASA: Larry Fishtahler reported that Rich
deson is leaving NASA. His EOS duties will be taken over by Ted
yer and Stan Scott of Code 423.

QA C AND QA FORTRAN: Ed Masuoka reported that QA C and QA FORTRAN
now available on U lab. Individual accounts should be used. Tom
ff has an account.

F.DUMP REVIEW: Will Webster reported that the MODIS SDST software
iew committee will hold its first meeting on Monday, April 6, 1992
eview the F.dump routine.

TION ITEMS:

17/92 [Tom Goff]: Have a polished version (with peer review) of
file dump routine ready for the MODIS Science Team Meeting.
pies of the finished version together with RDC internal review
ments are in the hands of the SDST software review committee.)
ATUS: Open. Due date 04/01/92.

21/92 [Ed Masuoka]: Talk to Code 930 and find out what tools they
e for porting data between computers from different vendors. (The
Lab has purchased QA Fortran and QA C. Ed will talk to Peter Smith
M/Cray), Jim Fisher (parallel) and Bruce Quirk about software and
a conversion.) STATUS: Open. Due date 03/13/92.

21/92 [Lloyd Carpenter and Team]: Identify a list of risks
ociated with porting Team Members' algorithms to the PGS. Prepare
se for discussion at the Science Team Meeting. STATUS: Open. Due
e 04/01/92.

20/92 [Liam Gumley]: Make a list of candidate algorithms to use
\S data (to be discussed at the Science Team meeting). Start with
atmospheres group. (The list was included in the meeting
dout.) STATUS: Closed. Due date 03/27/92.

20/92 [Lloyd Carpenter]: Gather the MODIS Data Product Attributes
ormation, and write a cover letter to Team Members for updating the information, and discussion at the Team Meeting. (An updated versic
eing prepared.) STATUS: Open. Due date 03/27/92.